



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/596,831	06/26/2006	Hajime Matsumoto	2008_0999	1087
513	7590	06/23/2010	EXAMINER	
WENDEROTH, LIND & PONACK, L.L.P.			NGUYEN, KHANH TUAN	
1030 15th Street, N.W.,			ART UNIT	PAPER NUMBER
Suite 400 East			1796	
Washington, DC 20005-1503				
NOTIFICATION DATE		DELIVERY MODE		
06/23/2010		ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ddalecki@wenderoth.com
eo@wenderoth.com

Office Action Summary	Application No.	Applicant(s)
	10/596,831	MATSUMOTO ET AL.
	Examiner	Art Unit
	KHANH T. NGUYEN	1796

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 07 June 2010.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1 and 7-10 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) _____ is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) 1 and 7-10 are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____ .	5) <input type="checkbox"/> Notice of Informal Patent Application
	6) <input type="checkbox"/> Other: _____ .

DETAILED ACTION

Response to Amendment

1. The amendment filed on 06/07/2010 is entered and acknowledged by the Examiner. Claims 1 and 7-9 are currently pending in the instant application. Claims 2-6 have been cancelled without prejudice or disclaimer thereto.

Election/Restrictions

2. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows:

I. A member of Claim 1:

- a. N101.112 [CF₃BF₃],
- b. N102.122 [CF₃BF₃],
- c. N102.222 [CF₃BF₃],
- d. N102.112 [CF₃BF₃],
- e. Py102.1 [CF₃BF₃],
- f. Pi102.1 [CF₃BF₃],
- g. N1224 [CF₃BF₃],
- h. N102.122 [C₂F₅BF₃],
- i. N102.122 [n-C₃F₇BF₃],

- j. N102.122 [n-C₄F₉BF₃],
- k. N102.111 [C₂F₅BF₃],
- l. N102.112 [C₂F₅BF₃],
- m. N102.222 [C₂F₅BF₃],
- n. N101.112 [C₂F₅BF₃],
- o. Py101.1 [C₂F₅BF₃],
- p. Py102.1 [C₂F₅BF₃],
- q. Pi102.1 [C₂F₅BF₃],
- r. N1224 [C₂F₅BF₃],
- s. N102.112 [n-C₃F₇BF₃],
- t. N102.222 [n-C₃F₇BF₃],
- u. N102.111 [n-C₃F₇BF₃],
- v. Py102.1 [n-C₃F₇BF₃],
- w. Pi102.1 [n-C₃F₇BF₃],
- x. N102.222 [n-C₄F₉BF₃],
- y. N102.112 [n-C₄F₉BF₃],
- z. Py102.1 [n-C₄F₉BF₃],
- aa. Pi102.1 [n-C₄F₉BF₃],
- bb. Py13 [C₂F₅BF₃],
- cc. Py14 [C₂F₅BF₃],
- dd. Py15 [C₂F₅BF₃],
- ee. Py16 [C₂F₅BF₃],
- ff. Py17 [C₂F₅BF₃],

- gg. Py1.10202 [C₂F₅BF₃],
- hh. Py1.202 [C₂F₅BF₃],
- ii. Mor14 [CF₃BF₃],
- jj. Mor14 [C₂F₅BF₃],
- kk. Mor14 [n-C₃F₇BF₃],
- ll. Mor14 [n-C₄F₉BF₃],
- mm. Mor1.102 [CF₃BF₃],
- nn. Mor1.102 [C₂F₅BF₃],
- oo. Mor1.102 [n-C₃F₇BF₃], or
- pp. Mor1.102 [n-C₄F₉BF₃].

II. Applicant is further required to elected a cationic component of Claim 9:

- 1. N101.112,
- 2. N102.122,
- 3. N102.222,
- 4. N102.112,
- 5. Py102.1,
- 6. Pi102.1,
- 7. N1224,
- 8. N102.111,
- 9. Py101.1,
- 10. Py13,
- 11. Py14,

12. Py15,
13. Py16,
14. Py17,
15. Py1.10202,
16. Py1.202,
17. Mor14, or
18. Mor1.102.

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise require all the limitations of an allowed generic claim. Currently, the following claim(s) are generic: Claims 7 and 8.

The claims are deemed to correspond to the species listed above in the following manner:

I. A member of Claim 1:

- a. N101.112 [CF₃BF₃],

- b. N102.122 [CF₃BF₃],
- c. N102.222 [CF₃BF₃],
- d. N102.112 [CF₃BF₃],
- e. Py102.1 [CF₃BF₃],
- f. Pi102.1 [CF₃BF₃],
- g. N1224 [CF₃BF₃],
- h. N102.122 [C₂F₅BF₃],
- i. N102.122 [n-C₃F₇BF₃],
- j. N102.122 [n-C₄F₉BF₃],
- k. N102.111 [C₂F₅BF₃],
- l. N102.112 [C₂F₅BF₃],
- m. N102.222 [C₂F₅BF₃],
- n. N101.112 [C₂F₅BF₃],
- o. Py101.1 [C₂F₅BF₃],
- p. Py102.1 [C₂F₅BF₃],
- q. Pi102.1 [C₂F₅BF₃],
- r. N1224 [C₂F₅BF₃],
- s. N102.112 [n-C₃F₇BF₃],
- t. N102.222 [n-C₃F₇BF₃],
- u. N102.111 [n-C₃F₇BF₃],
- v. Py102.1 [n-C₃F₇BF₃],
- w. Pi102.1 [n-C₃F₇BF₃],
- x. N102.222 [n-C₄F₉BF₃],

- y. N102.112 [n-C₄F₉BF₃],
- z. Py102.1 [n-C₄F₉BF₃],
- aa. Pi102.1 [n-C₄F₉BF₃],
- bb. Py13 [C₂F₅BF₃],
- cc. Py14 [C₂F₅BF₃],
- dd. Py15 [C₂F₅BF₃],
- ee. Py16 [C₂F₅BF₃],
- ff. Py17 [C₂F₅BF₃],
- gg. Py1.10202 [C₂F₅BF₃],
- hh. Py1.202 [C₂F₅BF₃],
- ii. Mor14 [CF₃BF₃],
- jj. Mor14 [C₂F₅BF₃],
- kk. Mor14 [n-C₃F₇BF₃],
- ll. Mor14 [n-C₄F₉BF₃],
- mm. Mor1.102 [CF₃BF₃],
- nn. Mor1.102 [C₂F₅BF₃],
- oo. Mor1.102 [n-C₃F₇BF₃], or
- pp. Mor1.102 [n-C₄F₉BF₃].

II. A cationic component of Claim 9:

- 1. N101.112,
- 2. N102.122,
- 3. N102.222,
- 4. N102.112,

Art Unit: 1796

5. Py102.1,
6. Pi102.1,
7. N1224,
8. N102.111,
9. Py101.1,
10. Py13,
11. Py14,
12. Py15,
13. Py16,
14. Py17,
15. Py1.10202,
16. Py1.202,
17. Mor14, or
18. Mor1.102.

The following claim(s) are generic: Claims 7 and 8.

REQUIREMENT FOR UNITY OF INVENTION

3. As provided in 37 CFR 1.475(a), a national stage application shall relate to one invention only or to a group of inventions so linked as to form a single general inventive concept ("requirement of unity of invention"). Where a group of inventions is claimed in a national stage application, the requirement of unity of invention shall be fulfilled only when

Art Unit: 1796

there is a technical relationship among those inventions involving one or more of the same or corresponding special technical features. The expression "special technical features" shall mean those technical features that define a contribution which each of the claimed inventions, considered as a whole, makes over the prior art.

The determination whether a group of inventions is so linked as to form a single general inventive concept shall be made without regard to whether the inventions are claimed in separate claims or as alternatives within a single claim. See 37 CFR 1.475(e).

WHEN CLAIMS ARE DIRECTED TO MULTIPLE CATEGORIES OF INVENTIONS

4. As provided in 37 CFR 1.475(b), a national stage application containing claims to different categories of invention will be considered to have unity of invention if the claims are drawn only to one of the following combinations of categories:

- (1) A product and a process specially adapted for the manufacture of said product; or
- (2) A product and process of use of said product; or

(3) A product, a process specially adapted for the manufacture of the said product, and a use of the said product; or

(4) A process and an apparatus or means specifically designed for carrying out the said process; or

(5) A product, a process specially adapted for the manufacture of the said product, and an apparatus or means specifically designed for carrying out the said process.

Otherwise, unity of invention might not be present. See 37 CFR 1.475(c).

5. A telephone call was not made to request an oral election due to the complexity of the above restriction requirement.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of

election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable on the elected invention or species.

Should applicant traverse on the ground that the inventions have unity of invention (37 CFR 1.475(a)), applicant must provide reasons in support thereof. Applicant may submit evidence or identify such evidence now of record showing the inventions to be obvious variants or clearly admit on the record that this is the case. Where such evidence or admission is provided by applicant, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHANH T. NGUYEN whose telephone number is (571) 272-8082. The examiner can normally be reached on Monday-Thursday 7:00-6:00 EST PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on (571) 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/596,831

Page 13

Art Unit: 1796

/Khanh Tuan Nguyen/
Examiner, Art Unit 1796